

MICHIE'S CODE OF FEDERAL REGULATIONS
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TITLE 40 -- PROTECTION OF ENVIRONMENT;
REVISED AS OF JULY 1, 1995

CHAPTER I -- ENVIRONMENTAL PROTECTION AGENCY

SUBCHAPTER C -- AIR PROGRAMS

PART 86 -- CONTROL OF AIR POLLUTION FROM NEW AND IN-USE MOTOR VEHICLES AND NEW
AND IN-USE MOTOR VEHICLE ENGINES: CERTIFICATION AND TEST PROCEDURES

SUBPART CC -- AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND
CONTAINERS [EFFECTIVE JUNE 5, 1995.]

40 CFR 86.088-11

§ 86.088-11 Emission standards for 1988 and later model year diesel heavy-duty engines.

(a)(1) Exhaust emissions from new 1988 and later model year diesel heavy-duty engines shall not exceed the following:

- (i) Hydrocarbons. 1.3 grams per brake horsepower-hour, as measured under transient operating conditions.
- (ii) Carbon monoxide. 15.5 grams per brake horsepower-hour, as measured under transient operating conditions.
- (iii) Oxides of nitrogen. 10.7 grams per brake horsepower-hour, as measured under transient operating conditions.
- (iv) Particulate emissions. 0.60 gram per brake horsepower-hour, as measured under transient operating conditions.

(2) The standards set forth in paragraph (a)(1) of this section refer to the exhaust emitted over the operating schedule set forth in paragraph (f)(2) of appendix I to this part, and measured and calculated in accordance with the procedures set forth in subpart N of this part, except as noted in § 86.088-23(c)(2) (i) and (ii).

(b)(1) The opacity of spoke emission from new 1988 and later model year diesel heavy-duty engines shall not exceed:

- (i) 20 percent during the engine acceleration mode.
- (ii) 15 percent during the engine lugging mode.
- (iii) 50 percent during the peaks in either mode.

(2) The standards set forth in paragraph (b)(1) of this section refer to exhaust smoke emissions generated under the conditions set forth in subpart I of this part and measured and calculated in accordance with those procedures.

(c) No crankcase emissions shall be discharged into the atmosphere from any new 1988 model year naturally aspirated diesel heavy-duty engine. This provision does not apply to engines using turbochargers, pumps, blowers, or superchargers for air induction.

(d) Every manufacturer of new motor vehicle engines subject to the standards prescribed in this section shall, prior to taking any of the actions specified in section 203(a)(1) of the Act, test or cause to be tested motor vehicle engines in accordance with applicable procedures in subpart I or N of this part to ascertain that such test engines meet the requirements of (a), (b), and (c) of this section.

HISTORY: [50 FR 10653, Mar. 15, 1985, as amended at 52 FR 47864, Dec. 16, 1987]

AUTHORITY: (Secs. 202, 203, 206, 207, 208, 301a, Clean Air Act, as amended; 42 U.S.C. 7521, 7522, 7525, 7541, 7542, 7601a)

NOTES: NOTES APPLICABLE TO ENTIRE CHAPTER:

EDITORIAL NOTE: Nomenclature changes to Chapter I appear at 57 FR 28087, June 24, 1992.

NOTES APPLICABLE TO ENTIRE PART:

EDITORIAL NOTE: For a document removing the OMB control number wherever it appeared in part 86, see 58 FR 34370, June 25, 1993.

[PUBLISHER'S NOTE: 60 FR 34377, June 30, 1995, directs that the substitutions listed below be made throughout Part 86 without regard to context, effective July 31, 1995. The direction reads as follows: "In Part 86, all references to "OMHCE" are revised to read "THCE", all references to "Organic Material Hydrocarbon Equivalent" are revised to read "Total Hydrocarbon Equivalent", all references to "Organic material hydrocarbon equivalent" are revised to read "Total hydrocarbon equivalent", all references to "organic material hydrocarbon equivalent" are revised to read "total hydrocarbon equivalent", all references to "OMNMHCE" are revised to read "NMHCE", all references to "Organic Material Non-Methane Hydrocarbon Equivalent" are revised to read "Non-Methane Hydrocarbon Equivalent", all references to "Organic material non-methane hydrocarbon equivalent" are revised to read "Non-methane hydrocarbon equivalent", all references to "organic material non-methane hydrocarbon equivalent" are revised to read "non-methane hydrocarbon equivalent"."